

Student:		<p><b>Minimum 124 semester hours required for graduation</b>  <b>18 of the last 24 hours must be at Houghton</b>  <b>Must have 30 hours at Houghton</b>  <b>One half of major must be at Houghton</b>  <i>Must have C- or above in each course to meet Major, Concentration, or Minor credit</i>  <i>Must have 62 liberal arts credits for a BS degree</i></p>
Major: <b>Applied Physics</b>		
Minor:		
<b>BS</b>	Advisor:	
<b>Applied Physics Major (84 hrs)</b>		
<b>General Education (see GenEd Audit Sheet)</b>		
<b>Half of credits listed below must be taken at Houghton</b>		
<b>Core Requirements</b>		<b>84 hrs</b>
(4) MATH 181 Calculus I	LA	(4) ENGR 211 Programming for Engineers
(4) MATH 182 Calculus II	LA	(3) ENGR 221 Statics
(4) MATH 225 Multivariate Calculus	LA	(3) ENGR 222 Dynamics
(4) MATH 241 Differential Equations	LA	(3) ENGR 308 Numerical Analysis for Engineers
(4) PHYS 151 General Physics I	LA	(3) ENGR 321 Optics
(4) PHYS 152 General Physics II	LA	(3) ENGR 322 Fluid Mechanics
(2) PHYS 212 Modern Physics	LA	(3) ENGR 323 Thermodynamics
(2) PHYS 275 Experimental Physics Lab I	LA	(2) ENGR/PHYS 371 Engineering Design or Physics Project Lab*
(2) PHYS 276 Experimental Physics Lab II	LA	(2) ENGR/PHYS 372 Engineering Design or Physics Project Lab*
(3) PHYS 352 Adv. Mechanics or PHYS 354 Adv. Electricity & Magnetism or PHYS 355 Stat. Mechanics or PHYS 356 Quantum Mechanics	LA	(2) ENGR/PHYS 373 Engineering Design or Physics Project Lab*
(3) PHYS 353 Electricity & Magnetism	LA	(2) ENGR/PHYS 374 Engineering Design or Physics Project Lab*
(3) ENGR 171 Introduction to Engineering Design		(2) ENGR/PHYS 375 Engineering Design or Physics Project Lab*
(3) ENGR 201 Digital Design		(3) ENGR/PHYS 482 Capstone Engineering Design or Physics Research*
(3) ENGR 202 Circuits & Analog Electronics I		(1) STEM 371 Career Seminar
(3) ENGR 203 Circuits & Analog Electronics II		*PHYS 371, 372, 373, 374, 375 & 482 are Liberal Arts courses.